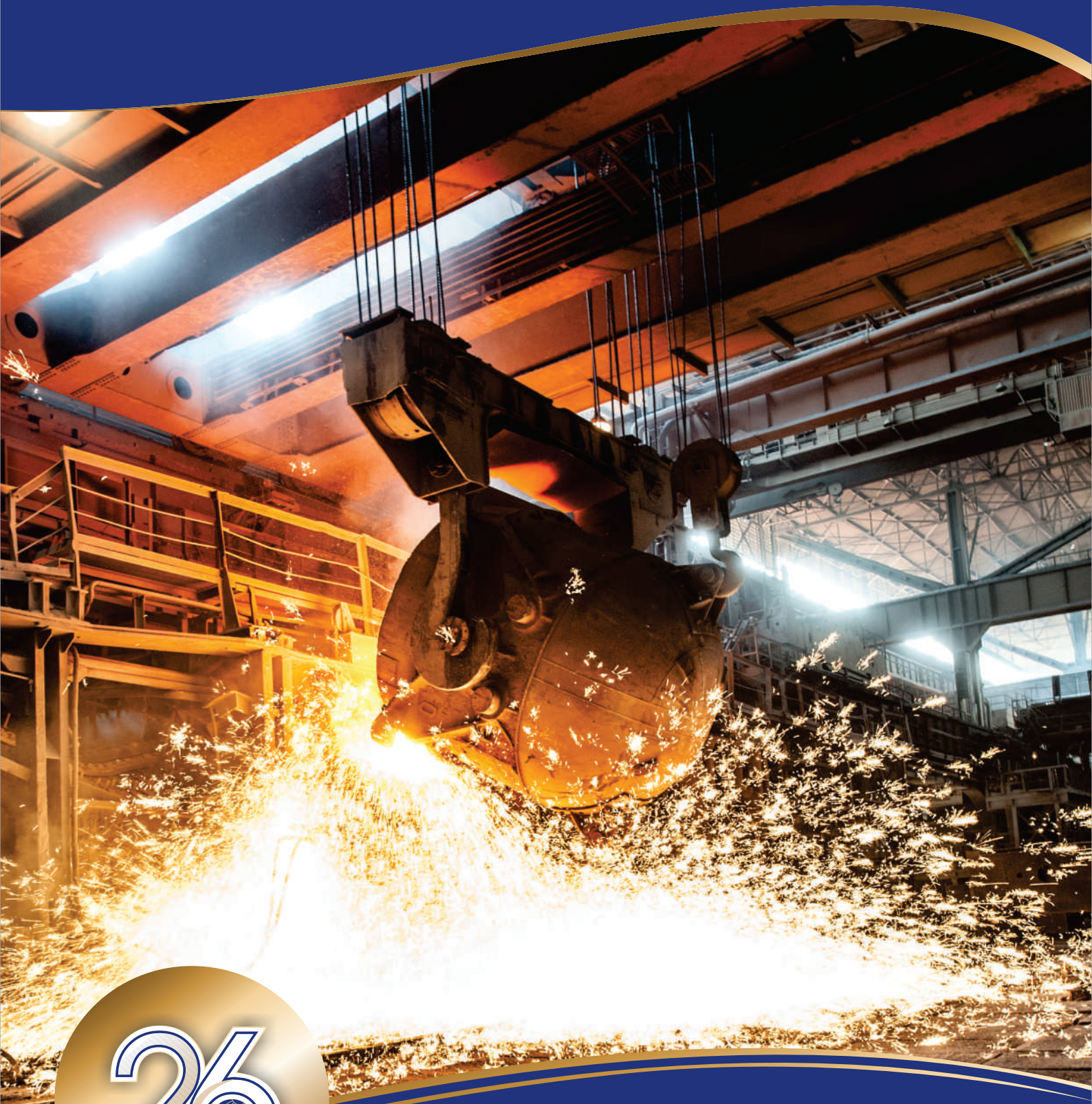
SOUTHWAY REFRACTORIES

REFRACTORY PRODUCTS & ENGINEERED SOLUTIONS



26 YEARS

CELEBRATING 26 YEARS OF QUALITY COMMITMENT

DELIVERING ENGINEERED REFRACTORY SOLUTIONS TO HIGH-TEMPERATURE INDUSTRIES ACROSS SUB-SAHARAN AFRICA AND THE GLOBAL MARKETPLACE

Iron & Steel | Non-ferrous metals | Ferroalloys | Cement & Lime | Petrochemical | Foundries | Power Generation | Glass | Mining

CONTENTS

- Refractory Supply
- Monolithic Manufacturing
- Turnkey Project Solutions
- Shutdown Services
- Emergency Repairs
- Engineering Support
- Technical Consulting
- Maintenance Solutions

WHO WE ARE

Southway Refractories is a trusted supplier of refractory materials and a specialist provider of turnkey installation services for high-temperature industrial applications.

We deliver engineered refractory solutions designed to withstand the most demanding thermal, chemical, and mechanical operating environments, supporting critical processes across a wide range of heavy industries.

Built on a foundation of technical expertise, operational excellence, and proven project execution capabilities. Southway Refractories offers a comprehensive range of services spanning material selection, manufacturing, procurement, installation, maintenance, and technical support.

Our integrated approach enables clients to maximize operational efficiency, extend asset life, improve plant reliability, and minimize downtime.

By combining quality products, skilled craftsmanship, and industry-leading technical knowledge, we provide sustainable refractory solutions that enhance performance, protect critical assets, and deliver long-term value throughout the lifecycle of industrial operations.

WHAT WE DO

- Refractory Sales and Supply
- Monolithic Manufacturing
- Turnkey Project Solutions
- Shutdown Services
- Emergency Repairs
- Engineering Support
- Technical Consulting
- Maintenance Solutions



SOUTHWAY REFRACTORIES

REFRACTORY MATERIALS SUPPLY, SALES AND MANUFACTURING

We supply and manufacture a comprehensive range of high-quality refractory products, including:

- Magnesia chrome based refractory bricks for all applications
- Magnesite based refractory bricks
- Spinel bricks of various qualities
- High alumina fired bricks
- Alumino silicate based refractory bricks
- Insulation firebricks
- Silicon carbide bricks
- Low-cement and ultra-low cement castable
- Gunning and ramming mixes
- Plastic refractories
- Ceramic fibre modules and blankets
- Refractory accessories such as anchors, expansion papers

This division focuses on sourcing, quality control, and distribution of high-performance refractory products for industrial applications.

We ensure all materials meet strict quality standards and are suited to the specific thermal and mechanical demands of each client's operation.



Alumino Silicate and High Alumina Bricks

PRODUCT	QUALITY CODE
High Duty Firebrick	HD-36
Super Duty Firebrick	SD-42
Dense Super Duty Fireclay	SD-42 LI
Andalusite/Bauxite Brick	ALU-55 HM, SLA-60, SLA-60 TA
High Alumina Brick	ALU-60M, ALU-80, ALU-85
Corundum Brick	ALU-90T



Magnesite / Magnesia Bricks

PRODUCT	QUALITY CODE
Fired Magnesia Brick	DMZ-95 DGG, DMZ-97 HGG
Fired Magnesia Brick (Fused Grain)	DMZ-97
Fired Magnesia Brick (Pitch Impregnated)	DMZ-97 PI, DMZ-97 PI(MD1)



Magnesia Chrome Bricks

PRODUCT	QUALITY CODE
Fused Grain Magnesia Chrome Brick	MCR-20A
Fused Grain Magnesia Chrome Brick	MCR-26A
Fused Grain Magnesia Chrome Brick-Tuyere	MCR-20A, MCR-24A
Direct Bonded Magnesia Chrome Brick	MCR-16A
Fused/Sintered Grain Magnesia Chrome Brick	MCR-18S
Fused/Sintered Grain Magnesia Chrome Brick	MCR-16S, MCR-20S





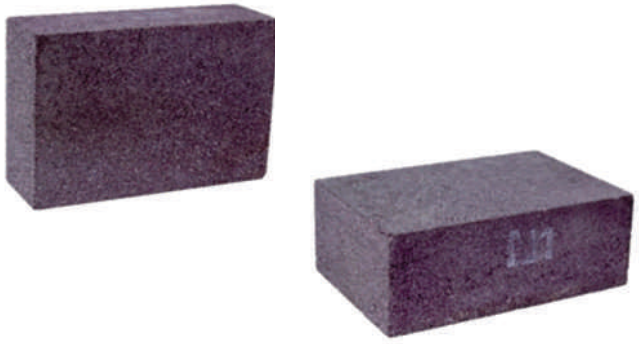




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Alumina Chrome Bricks

PRODUCT	QUALITY CODE
Alumina Chrome Brick	ACZS 12
Alumina Chrome Brick	SWL-99G
Alumina Chrome Brick	ACR-10 DAP
Alumina Chrome Brick	GLK-12



Silicon Carbide Bricks

PRODUCT	QUALITY CODE
SiC Nitride Bonded Bricks	SiC BN
SiC Oxide Bonded Brick	SiC BO



Acid Resistant Bricks

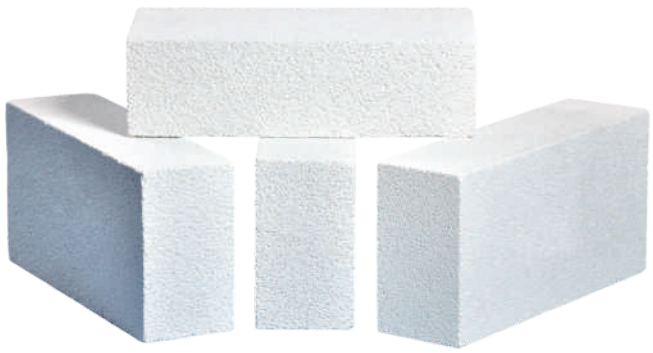
PRODUCT	QUALITY CODE
White Acid Resistant Brick	SARLF-02
Red Acid Resistant Brick	SRAR-05

Silica Bricks

PRODUCT	QUALITY CODE
Quality Silica Brick	SL-93
Fused Silica Brick	SL-98

Insulation Bricks

PRODUCT	QUALITY CODE
Insulation Firebrick	GR-23A
Insulation Firebrick	GR-26A
Insulation Firebrick	GR-28A
Insulation Firebrick	GR-30A
Clay/Diatomite Insulation Brick	IS-600



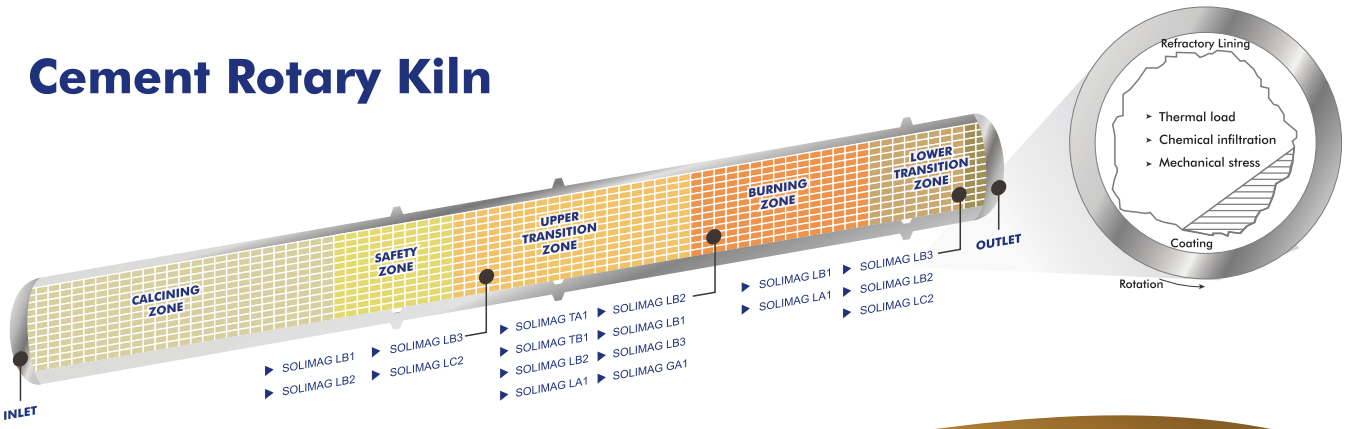
Refractories for the Cement Industry

PRODUCT	QUALITY CODE
Spinel Brick for Kiln Burning Zone	SOLIMAG LA1
	SOLIMAG LB1
	SOLIMAG LB2
	SOLIMAG LB3
Hercynite Brick for Kiln Burning Zone	SOLIMAG TA1
	SOLIMAG TB1
Magnesia Dolomite Brick for Kiln Burning Zone	SOLIMAG GA1
Spinel Brick for Kiln Transition Zone	SOLIMAG LA1
	SOLIMAG LB1
	SOLIMAG LB2
	SOLIMAG LB3
	SOLIMAG LC2

Other available products:

- Thermal shock resistant Super Duty brick for the decomposition zone and tertiary air duct
- Alkali resistant High Alumina brick for the preheater zone
- High strength burst resistant castable for kiln outlet
- Self-flow castable for the burner
- Build-up resistant castable for various applications
- Gunning materials for various applications
- Pumpable materials for various applications

Cement Rotary Kiln



SOUTHWAY REFRACTORIES

Monolithics Products

Refractory Mortars

PRODUCT	QUALITY CODE
40% Alumina Mortar	Southset 40
40% Alumina Mortar	Southset 60

Refractory Castables

PRODUCT	QUALITY CODE
High Strength Castable	Southcast Super
High Strength Castable	Southcast Extra H
High Strength Castable	Southcrete 1650
Conventional Castable	Southcast 1400
Conventional Castable	Southcast 1500
Conventional Castable	Southcast 1600
Conventional Castable	Southcast 1700C
Conventional Castable	Southcast 1700CU
Conventional Castable	Southcast 1800
Conventional Castable	Southcast 40CF

Refractory Ramming Materials

PRODUCT	QUALITY CODE
High Alumina Ramming	Southram 99C

Refractory Plaster Materials

PRODUCT	QUALITY CODE
40% Alumina	Southplast 40H
50% Alumina	Southplast 155EC

Refractory Plaster Materials

PRODUCT	QUALITY CODE
40% Alumina Gunning	Southgun1400
50% Alumina Gunning	Southgun1600
60% Alumina Gunning	Southgun1600V

Ceramic Fibre Products

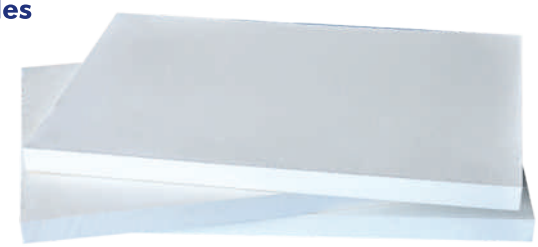
PRODUCT	QUALITY
Bio-Soluble Fibre Blanket	1100-1300°C, 64-128kg/m^3
Bio-Soluble Fibre Paper	1100°C, 200kg/m^3
Bio-Soluble Fibre Board	1100-1300°C, 300kg/m^3
Bio-Soluble Fibre Module	1100-1300°C, 160-220kg/m^3
Bio-Soluble Fibre Bulk	1100-1300°C
Bio-Soluble Fibre Textile	650-1100°C, 500-600kg/m^3
Ceramic Fibre Blanket	1260-1600°C, 64-128kg/m^3
Ceramic Fibre Board	1260-1600°C, 250-340kg/m^3
Ceramic Fibre Paper	1260-1430°C, 200-400kg/m^3
Ceramic Fibre Textile	Cloth, tape, rope, packing, yarn
Ceramic Fibre Bulk	1260°C Spun and Blown Bulk Fibre



Ceramic Blanket



Ceramic Modules



Ceramic Boards

SOUTHWAY REFRACTORIES

Warehouse Facilities

(Alrode, Johannesburg, Gauteng - South Africa)

Our warehouse facilities are >8000m^2 under roof





www.southway.co.za

Manufacturing Facilities

(Alrode, Johannesburg, Gauteng - South Africa)



Stringent quality control system - Complete laboratory on site



Automated batching plant - 20 000 ton capacity per annum

SOUTHWAY REFRACTORIES

INSTALLATION AND PROJECT EXECUTION

Southway Refractories delivers comprehensive refractory installation and construction services through highly skilled and experienced site teams. Our Installation Division specializes in precision refractory and mechanical installation across new-build projects, planned maintenance shutdowns, and emergency repair works.

Operating with certified personnel, structured project management systems, and stringent safety protocols, our teams consistently deliver high-quality workmanship while maintaining full compliance with client and industry standards. We provide rapid-response services to support both planned outages and critical breakdown situations, helping clients minimize downtime and maintain operational continuity.

Our installation expertise spans a wide range of high-temperature process equipment, including:

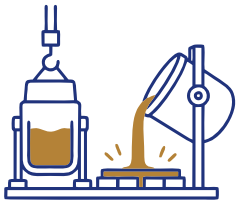
- Furnace and kiln linings
- Boilers and incinerators
- Reactors and process vessels
- Ladles and tundishes
- Ducting systems, stacks, cyclones, and associated process infrastructure

From initial demolition through to final commissioning, we provide complete turnkey project execution. Our services include refractory and mechanical demolition, anchor system installation, refractory lining and mechanical installation, dry-out management, quality control inspections, and commissioning support.

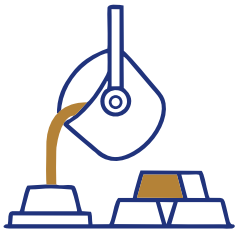
By combining technical expertise, disciplined project management, and industry-leading safety standards, Southway Refractories ensures reliable project delivery, reduced downtime, and optimum refractory performance throughout the operational life of every installation.

INSTALLATION AND PROJECT EXECUTION

We support a diverse range of industrial sectors, including:



Iron & Steel



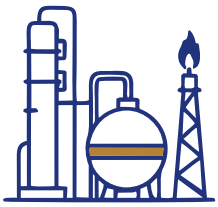
Non-Ferrous Metals



Ferroalloys



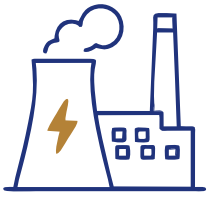
Cement & Lime



Petrochemical



Foundries



Power Generation



Glass



Mining

Our industry-specific knowledge allows us to tailor solutions that meet operational demands and regulatory requirements.

SOUTHWAY REFRACTORIES

Demolition Services





www.southway.co.za

Installation Services





SOUTHWAY REFRACTORIES

OPERATIONAL EXCELLENCE

Safety, quality, and performance are embedded in our corporate culture. We implement strict safety management systems, quality assurance protocols, and skilled workforce training to ensure consistent, high-standard project delivery.

Our commitment to operational excellence enables us to:

- Minimize downtime during shutdowns
- Optimize refractory performance and service life
- Deliver projects on schedule and within budget
- Provide responsive technical support

Our Commitment

At Southway Refractories, we view every project as a partnership. Our objective is to deliver durable refractory systems that enhance operational efficiency, protect critical assets, and support long-term industrial success.

Quality Commitment

Southway is ISO 9001, ISO 14001 and ISO 45001 accredited.


CERTIFICATE

SHEQ National Cert International (PTY) Ltd
Certifies that

SOUTHWAY REFRACTORIES
Southway Refractories
19 Potgieter Street
Alrode
Alberton
1451
Gauteng
South Africa

For the scope
Manufacturing and Installation of Monolithic Products
IAF Code & NACE Code Number:
IAF Code – 18
NACE Code – 28
Has implemented and applies an Environmental System which is in compliance with the requirements of
ISO 14001:2015


CERTIFICATE

SHEQ National Cert International (PTY) Ltd
Certifies that

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Southway Refractories
19 Potgieter Street
Alrode
Alberton
1451
Gauteng
South Africa

For the scope
Manufacturing and Installation of Monolithic Products
IAF Code & NACE Code Number:
IAF Code – 18
NACE Code – 28
Has implemented and applies an Quality Management System which is in compliance with the requirements of
ISO 9001:2015


CERTIFICATE

SHEQ National Cert International (PTY) Ltd
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SOUTHWAY REFRACTORIES
Southway Refractories
19 Potgieter Street
Alrode
Alberton
1451
Gauteng
South Africa

For the scope
Manufacturing and Installation of Monolithic Products
IAF Code & NACE Code Number:
IAF Code – 18
NACE Code – 28
Has implemented and applies an Occupational Health and Safety Management System which is in compliance with the requirements of
ISO 45001:2018

CLIENT REFERENCES

Valterra PLATINUM

samancor

NORTHAM

IMPALA PLATINUM

Sibanye Stillwater

GLENCORE

FIRST QUANTUM MINERALS LTD.

HATCH

ZIMPLATS Member of the Implats Group

tenova

KAEFER

drytech INTERNATIONAL HOLDINGS

ArcelorMittal

pmc PALABORA MINING COMPANY

MOPANI









SOUTHWAY REFRACTORIES

SOUTHWAY REFRACTORIES

Southway Refractories (Pty) Ltd

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www.southway.co.za

SCAN HERE TO GO
TO OUR WEBSITE

ISO 9001: 2015 – ISO 14001: 2015 – ISO 45001: 2018

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